

## **Deepwater Horizon SITREP**

**05/10/2010 0600 - 05/10/2010 1900**

### **Chalmette, St. Bernard Parish LA**

**Monitoring Locations:** 3 Air Monitoring Locations, monitoring continues.

1. C02 - located at Fire Station number 8, Poydras LA - 29.86609N., -89.89108W
2. C03 - located at the Emergency Operations Center, Hopedale, LA - 29.82209N., -89.60862W
3. C04 – located at Fire Station on Aycock St in Chalmette, LA - 29.96082, -90.00132

**Air Monitoring Equipment:** Each location has 5 pieces of air equipment (currently no spares). At approximately 0323 the EBAM unit at location C03 was not running. Crews suspect that the voltage regulator is causing power issues to the unit. The regulator was removed from the system and the unit came back on line by 0800 5/10/2010. As of 1845, C03 EBAM is operational and recording data.

1. DataRam - monitoring particulate matter
2. AreaRae - monitoring VOCs
3. PQ200 - samples for PM2.5
4. Suma Canister per location - sample for VOCs
5. EBAM – monitoring particulate matter

**Samples Collected:**

- 5 – Water
- 5 – Sediment
- 5 - Toxicity
- 6 – Suma Canisters (VOCs)
- 3 – Filters (24-hour 2.5 particulate)

**Air Sampling/Monitoring Operations Team:**

- Hourly average monitoring data through approximately 1000 05/10/2010 has been published to SCRIBE at 1230 5/10/2010.
- Sample location information for 5/10/2010 is scheduled for publication during the next reporting period.
- 3 monitoring locations were checked at approximately 1.5-2 hour intervals beginning at 0600 this operational period.
  - AreaRAEs/MultiRae instruments reported 0 VOC exceedances.
    - During the previous reporting period, crews followed procedures for VOC exceedances, used a draeger tube to determine presence of benzene. The draeger tube was non-detect for benzene.
    - Crews suspect humidity is causing the PID detector to be biased high, the Air Sampling Group is evaluating root cause of the exceedances and methods for preventing humidity from causing false readings.
  - Data Ram instruments reported 0 particulate exceedances
  - EBAM instruments reported 0 particulate exceedances
- Additional equipment has been implemented to conduct Benzene monitoring if the VOC levels exceed the 10 PPM action level.
- 6 Suma canisters (for VOCs) were collected during this operational period to be shipped to the contracted laboratory for analysis.
- 3 Filters were collected from PQ200 samplers during 05/10/2010 0600-1400 operations.
- All operations currently nominal

**Water Operations Team:**

- On 5/10/10 water operation team continued operations in the Terrebonne Bay (SE Terrebonne Parish) area to collect water and sediment samples from pre-identified locations (0011, 0010, NCA10-2399, NCA10-2335, and NCA10-1333).
- No oiled wildlife observed as of 1400.
- Visual oil was detected and odors noted. Team reported a light sheen on the water near Whiskey Pass and Cat Island in Terrebonne Bay. GPS coordinates for the sheen are 29.08517 N, 90.74707 W. Crew reported that radio transmission from commercial fishing vessels reported “tar balls”. There was no confirmation by the field crew.
- Weather conditions were moderate for water operations on 05/10/2010.

#### **Current EPA Assets**

- Deployed to Chalmette, LA
  - 1 OSC
  - 16 START personnel
  - 1 EPA LRV

### **Venice, Plaquemines Parish, LA**

#### **Air Monitoring Locations:**

1. V02 - located at USCG -Venice -29.25274 N, -89.35750 W
2. V03 - located at Welding Supply Co. in Boothville, LA, -29.31449 N, -89.38433 W
3. V05 - located at Fort Jackson -29.35699 N, -89.45487 W

#### **Air Monitoring Equipment:** Each location has 5 pieces of air equipment:

1. DataRam - monitoring particulate matter
2. AreaRae/Multirae - monitoring VOCs/H<sub>2</sub>S/CO
3. PQ200 - samples for PM 2.5
4. Summa Canister - sample for VOCs
5. EBAM Particulate Monitors have been deployed and are being tested

#### **Samples collected**

- 0 – Water
- 0 – Sediment
- 6 – Summa Canister (VOCs)
- 3 – Filters (24-hour PM 2.5)

#### **Air Sampling Group:**

- Hourly average monitoring data through approximately 0100 05/10/2010 was published to SCRIBE at 1200.
- 24-hour air monitoring and sampling continues at the locations above.
- All 3 monitoring locations were last checked at approximately 1800 today.
- MultiRaes/AreaRaes and DataRams are rotated at each location, and brought in to the MCP for data downloading and charging at approximately 8-hour intervals.
- Instruments are kept in operation using external rechargeable batteries. Marine batteries have been obtained to extend battery life.
- The stations are visited hourly and the AreaRAEs/MultiRae are read to determine the maximum reading from the last equipment download. This number is relayed back to the Venice CP. No exceedances of action levels were observed.
- EBAM particulate monitors are deployed at all three monitoring locations and are being tested.

#### **Water Sampling Group:**

- Water operations were not conducted.

#### **Current EPA Assets**

- Deployed to Venice, LA
  - 1 OSC
  - 15 START personnel
  - 1 MCP
  - One EPA Gooseneck Trailer
  - One EPA 20 KW Generator